AGITIC TGAGATCTCAAGGAAAAGCAGGGTCAGCGAGGAGGCCTGGGGGAGAGGAGGAGCATCCTACACCCAAT CCTAGAGGCCCCATGCAAGAGAAGGCCCTTGTTTTCCAGGCACTGAGGACCGCAGTCCCTAATTCCTGGC CTTGTGGCCTGCTGCCTAAGGGAAACAGGAGAGCATGACAGCTATGC

ATTGCGGCGAGCCAGACAGGCACAGCGGCGGGGGGAAAAGCATCTTTGCAACTGAATCAGCAGCAGAAA CCTGCAGGTTGCAGAAGTGTCTAAATGTTGGCATGAGGAAAGACATGATACTGTCAGCAGAAGCCCTGGC CACAGGCTATCATTTCCACGCCTGACTTGTGAGGCTGCAAGGGGCTTCTTCAGACGAACAGTTAAAA ACCATTGGTCCCATCTGTCCGTTTGCTGGAAGGTGTGAGGTCAGCAAGGCCCAGAGACGCCACTGTCCAG AAAGCTGATGGGCCTGCTGGCTGACCTCGGAGTATAAACAATGCATACTCCTATGAACTTCAGCGCTTG CGCAGITCCATGCAGGTITCCAGTACGAGTITTITGGAGITCGATCCTCCACTTCCATAAAAAACCTGAAAAGGA GAGGAACTGTCTGCTATGACGCCGCTGCTCGGGGAGATTTGCAGTTGAGGCCCAGGCTTGCATCCTTTCC GAACTGGTCCAGATCCTCCTGGGGGCCACACTCGCCATGTGGGCCCATTGTTTGACCAGTTTGTOCAGT H CCGGH CCTAACCATGGAGGACCAGATCTCCCTTCTCAAGGGAGCGGCTGTGGAAATATTGCATATCT CACTCAACACTACGTTCTGTTCAAACAGAATTTCTTCTGGGGCTCTTTGCTACAAGATGGGGA CTGCATCTCCAGGAGGCTGAGTATGTGCTCATGGCTGCCACGGCCCTCTTCTCCCCTGGTTTCTGTATGC TCAAGCCTCCAGCCTATCTGTTCATGCATCACCGGCCTTTCCAGCCTCGGGGCCCCGTGTTGCCTCTGGT GAGTGGCAATGAAATGCTGAACAGT (SEQ ID NO:1)

MTAMIJILETMASEEEYGPRNCVVCGDRATGYHFHALTCEGCKGF FRRTVSKTIGPICPFAGRCEVSKAQRRHCPACRLQKCLNVGMRKDM ILSAEALALRRARQAQRRAEKASLQLNQQQKELVQILLGAHTRHVG PLFDQFVQFKPPAYLFMIHRPFQPRGPVLPLLTHFADINTFMVQQIIK FTKDLPLFRSLTMEDQISLLKGAAVEILHISLNTTFCLQTENFFCGPLC YKMEDAVHAGFQYEFLESILHFHKNLKGLHLQEPEYVLMAATA LFSPGFCMQS (SEQ ID NO:2)

Construct

Gl Number(s): 2267577

Gene Family:

Nuclear Hormone Receptor

Gene

Orphan NHR

Subfamily:

Gene Sequence: full-length cDNA. Mouse

underlined = deleted in targeting construct

[] = sequence flanking Neo insert in targeting construct

ACCGAGGATACCTAGAGGCCCCATGCAAGAGAAGGCCCTTGTTTTCCAGGCACTGAGGAC CGCAGTCCCTAATTCCTGGCAGTTCCTGAGATCTCAAGGAAAGCAGGGTCAGCGAGGAGG CCTGGGGAGAGGAGGCATCCTACACCCAATCTTGTGGCCTGCTGCCTAAGGGAAACAGGA GCGGCGAGCCAGACAGGCACAGCGGCGGGGGAGAAAGCATCTTTGCAACTGAATCAGCA GCAGAAAGAACTGGTCCAGATCCTCCTGGGGGCCCACACTCGCCATGTGGGCCCATTGTT TGACCAGTTTOTGCAGTTCAAGCCTCCAGCCTATCTGTTCATGCATCACCGGCCTTTCCA GCCTCGGGGCCCCGTGTTGCCTCTGCTCACACACTTTGCAGATATCAACACGTTTATGGT GCAACAGATCATCAAGTTCACCAAGGATCTGCCGCTCTTCCGGTCCCTAACCATGGAGGA GTTCTGTCTTCAAACAGAGAATTTCTTCTGTGGGCCTCTTTGCTACAAGATGGAGGACGC AGTCCATGCAGGGTTCCAGTACGAGTTTTTGGAGTCGATCCTCCACTTCCATAAAAACCT GAAAGGACTGCATCTCCAGGAGCCTGAGTATGTGCTCATGGCTGCCACGGCCCTCTTCTC CONTACTCCTATGAACTTCAGCGCTTGGAGGAACTGTCTGCTATGACGCCGCTGCTCGGG GAGATTTGCAGTTGAGGCCCAGGCTTGCATCCTTTCCCCAGACCCCCAGGGATACACTGG CCTGGAAAGGGTACAGCGCTGGACCCCACACAGCAGAAGGAGCTTGGGAGTGGCAATGAA ATGCTGAACAGT

Gene Sequence
282 bp Sequence Deleted 403 bp

Size of full-length
cDNA: 1332 bp

Targeting Vector* (genomic sequence)

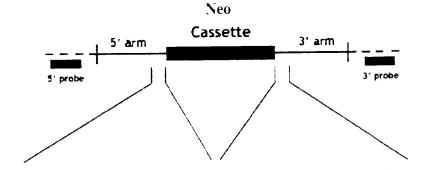
Construct Number: 138

Arm Length: 5': 3.5 kb 3': 1.9 kb

Targeting Vector

- - - - Endogenous Locus

* Not drawn to scale



5'>TTGGAGGCCAGAGACAAAAG CAACATTTTGCTTTTAATGTCCT CASTGCTGGGGAGCCCGGTGTDAG GCTGGGCAGTCTTGGGAAGAGAT CTGTAGAGGAGAGAGAGAGATC CTATGGCCAGTGCTGATTCTCAA CTCCTCCCACATTCAGGAGACCAT GALAGCTATGCTAACA:TAGAAAC CATGGCCAGTG<3'

(SEQ IDNO 3)

5'>GGTCCCATCTGTCCGTTTGCT GGAAGGTCAGAGGCC CAGAGACGCCACTGTCCAGCCTGC AGGTTGCAGAAGTGTCTAAATGTT GGCATGAGGAAAGACAGTGAGTTG GTCCCTACCGTTCCAGGAGTCCAG GTTCCCACAGCAGGCAGAGTGAGC TGTTGGAAACC<3'

(3E9 EDNO:4)

FIG. 2B

necropsy - spleen weight/body weight

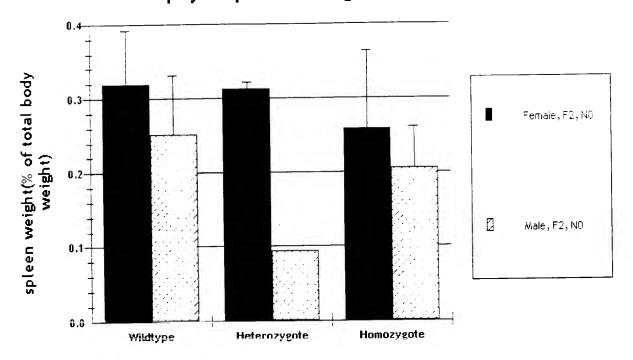


FIG. 3

necropsy - thymus weight/body weight

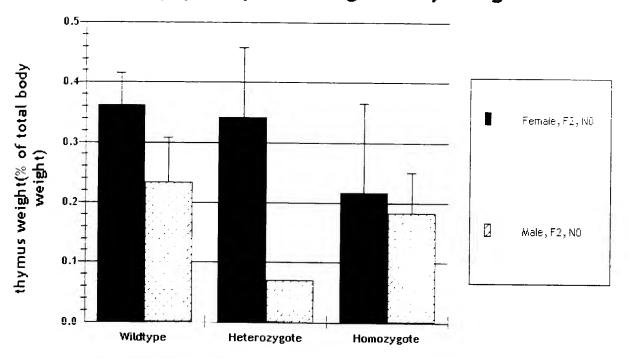


FIG. 4